#### **Table H. - Engineering Index Properties**

Spotsylvania County, Virginia

Absence of an entry indicates that the data were not estimated.

Man Cimphal			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Lieuvial	Disatisit
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Plasticity Index
	In				Pct	Pct		•			Pct	
1B:												
Abell	0-12	Fine Sandy Loam Loam Sandy Loam	SC-SM SM	A-2 A-4	0	0	90-100	80-100	48-95	24-75	12-23	NP-6
	12-47	Sandy Clay Loam Sandy Loam Clay Loam	CL CL-ML SC	A-2 A-4 A-6	0	0	90-100	85-100	51-100	26-80	23-38	6-14
	47-62	Clay Sandy Clay Loam Silty Clay Loam Clay Loam	CL SC	A-6 A-7	0	0-8	90-100	80-100	64-100	28-95	30-48	10-20
	62-75	Loam Sandy Loam	ML SC-SM SM	A-2 A-4	0	0-8	90-100	80-100	48-95	24-75	16-31	2-10
Appling												
Cecil												
Partlow												

2B:

Map Symbol			Classi	fication	Frag	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
	In		•		Pct	Pct	•	•			Pct	-
2B:												
Altavista	0-11	Fine Sandy Loam Loam	CL-ML ML	A-2 A-4	0	0	95-100	93-100	55-95	27-75	16-29	2-9
		Sandy Loam	SC-SM	A-4								
		Sandy Loani	SM									
	11-52	Clay Loam	CL	A-4	0	0	95-100	93-100	74-100	32-80	23-38	6-14
		Loam	CL-ML	A-6								
		Sandy Clay Loam	SC									
	50.70	0, 25, 10, 17, 17	SC-SM		•	•	45 400	05.400	10 100	0.05	0.40	ND 00
	52-79	Stratified Sand To Very Gravelly Clay	SM	A-1	0	0	45-100	35-100	18-100	2-95	9-48	NP-20
		Gravelly Loamy Sand										
		, ,										
Wickham												
Aquults												
3B:												
Appling	0-9	Sandy Loam	SC-SM	A-2	0	0-8	90-100	85-100	35-85	3-55	9-20	NP-2
		Fine Sandy Loam	SM									
	9-47	Coarse Sandy Loam Sandy Clay	ML	A-4	0	0-8	90-100	85-100	76-100	60-95	31-49	5-12
	9-47	Clay	IVIL	A-4 A-7	U	0-0	90-100	00-100	70-100	00-95	31-49	3-12
		Clay Loam		,,,								
	47-79	Sandy Clay Loam	SM	A-2	0	0-8	90-100	80-100	48-90	24-55	13-27	NP-4
		Sandy Loam										
Abell												
Colfax												
Collax												
Louisburg												

Spotsylvania County, Virginia

Map Symbol			Classi	fication	Fragr	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
	In				Pct	Pct	•	•	•		Pct	•
3B:												
Spotsylvania												
4C2:												
Appling	0-9	Fine Sandy Loam Coarse Sandy Loam Sandy Loam	SC-SM SM	A-2	0	0-8	90-100	85-100	35-85	3-55	9-20	NP-2
	9-47	Clay Sandy Clay Clay Loam	ML	A-4 A-7	0	0-8	90-100	85-100	76-100	60-95	31-49	5-12
	47-79	Sandy Loam Sandy Clay Loam	SM	A-2	0	0-8	90-100	80-100	48-90	24-55	13-27	NP-4
Wedowee	0-6	Sandy Clay Loam Loam Sandy Loam	SC-SM SM	A-2 A-2-4 A-4	0	0	90-100	88-100	53-90	26-80	9-24	NP-3
	6-33	Sandy Clay Sandy Clay Loam Clay Clay Loam Loam	ML	A-4 A-6 A-7	0	0	90-100	88-100	71-100	31-95	24-49	3-12
	33-75	Sandy Loam Clay Loam Loam	ML SC-SM	A-2 A-4	0	0	90-100	88-100	53-100	27-80	16-34	NP-7
Colfax												
Louisburg												
Partlow												

4D2:



Spotsylvania County, Virginia

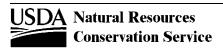
Man Combal			Classi	fication	Fragi	nents	Per	cent Passin	g Sieve Nun	nber	المستنما	Disatisit
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Liquid Limit	Plasticity Index
	In		•		Pct	Pct	•	•			Pct	
4D2:												
Appling	0-9	Sandy Loam Fine Sandy Loam Coarse Sandy Loam	SC-SM SM	A-2	0	0-8	90-100	85-100	35-85	3-55	9-20	NP-2
	9-47	Clay Clay Loam Sandy Clay	ML	A-4 A-7	0	0-8	90-100	85-100	76-100	60-95	31-49	5-12
	47-79	Sandy Loam Sandy Clay Loam	SM	A-2	0	0-8	90-100	80-100	48-90	24-55	13-27	NP-4
Wedowee	0-6	Sandy Clay Loam Loam Sandy Loam	SC-SM SM	A-2 A-2-4 A-4	0	0	90-100	88-100	53-90	26-80	9-24	NP-3
	6-33	Sandy Clay Loam Loam Clay Clay Loam Sandy Clay	ML	A-4 A-6 A-7	0	0	90-100	88-100	71-100	31-95	24-49	3-12
	33-75	Clay Loam Loam Sandy Loam	ML SC-SM	A-2 A-4	0	0	90-100	88-100	53-100	27-80	16-34	NP-7
Louisburg												
Partlow												

5:



Map Symbol			Classi	fication	Fragi	ments	Per	cent Passino	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
	In	•		•	Pct	Pct					Pct	
5: Aquults	0-10	Fine Sandy Loam Loam	CL	A-6	0	0	99-100	98-100	60-95	30-75	21-43	6-17
	10-50	Sandy Clay Loam Sandy Loam Clay Loam	CL SC SC-SM	A-2 A-6 A-7	0	0	99-100	98-100	60-100	30-80	27-44	12-25
	50-72	Gravelly Sand Clay	CH CL CL-ML SC SC-SM	A-2 A-4 A-6 A-7	0	0	60-100	50-100	25-100	2-95	0-57	NP-36
Faceville												
Savannah												
6:												
Aquults	0-9	Loam Silt Loam	CL	A-6	0	0	99-100	98-100	85-100	60-90	21-43	6-17
	9-45	Sandy Clay Loam Sandy Loam Clay	CL SC SC-SM	A-2 A-6	0	0	99-100	98-100	60-100	30-95	27-53	12-32
	45-72	Gravelly Sandy Loam Loamy Sand Very Gravelly Sandy Loam Sand	SC SC-SM	A-1 A-2	0	0	40-100	30-100	15-75	2-30	0-27	NP-10
Altavista												
Wickham												

Map Symbol			Classi	fication	Frag	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
	In	•			Pct	Pct	•			•	Pct	
7B:												
Aquults	0-9	Loam Fine Sandy Loam Sandy Loam	CL	A-6	0	0	99-100	98-100	59-95	29-75	21-43	6-17
	9-53	Sandy Loam	CL	A-2	0	0	99-100	98-100	59-100	29-80	27-44	12-25
		Clay Loam	SC	A-6								
		Sandy Clay Loam	SC-SM	A-7								
	53-72	Fine Sandy Loam	CL	A-2	0	0	99-100	98-100	59-90	29-55	18-40	3-21
		Sandy Clay Loam	CL-ML	A-4								
		Sandy Loam	SC	A-6								
			SC-SM									
Morgo	0-9	Silt Loam	CL	A-4	0	0	95-100	93-100	78-100	EE 00	12-31	NP-10
Margo	0-9		CL-ML	A-4	U	U	95-100	93-100	78-100	55-90	12-31	NP-10
		Loam	ML									
	9-42	Loam	CL	A-4	0	0	95-100	93-100	78-100	55-95	23-43	6-17
	9-42	Clay Loam	CL-ML	A-5	U	U	33-100	33-100	70-100	33-33	20-40	0-17
		Silt Loam	OL-IVIL	A-6								
		Silty Clay Loam		A-7								
	42-45	Gravelly Silty Clay Loam	CL	A-2	0	0	60-85	50-75	42-75	30-71	12-43	NP-17
		Gravelly Loam	CL-ML	A-4	-	-						
		Gravelly Clay Loam	SC	A-6								
		Gravelly Silt Loam	SC-SM	A-7								
	45-60	Sandy Loam	CL	A-2	0	0	95-100	93-100	55-95	27-75	12-31	NP-10
		Loam	CL-ML	A-4								
			SC									
			SC-SM									
5												
Brockroad												
LaRoque												
Tatum												



Spotsylvania County, Virginia

Main Complete			Classi	fication	Fragr	ments	Per	cent Passin	g Sieve Num	nber	المنسينا	Disatisity
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Plasticity Index
7B:	In				Pct	Pct					Pct	
Toddstav												
8B:												
Bama	0-14	Fine Sandy Loam Loam Sandy Loam	CL-ML SC SC-SM SM	A-2 A-4	0	0	90-100	85-100	51-95	26-75	13-27	NP-8
	14-68	Fine Sandy Loam Loam Clay Loam Sandy Clay Loam	CL-ML SC SC-SM	A-4 A-6	0	0	90-100	85-100	60-100	34-80	23-36	6-13
	68-79	Clay Loam Loam Sandy Clay Loam Sandy Loam	CL SC	A-2 A-4 A-6	0	0	80-100	70-100	42-100	21-80	20-43	4-14
Emporia												
Kempsville												
Savannah												

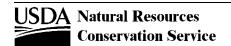
8C:



Man Symbol			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Index
	In		•	•	Pct	Pct		•		•	Pct	•
8C:												
Bama	0-14	Fine Sandy Loam	CL-ML	A-2	0	0	90-100	85-100	51-95	26-75	13-27	NP-8
		Loam	SC	A-4								
		Sandy Loam	SC-SM SM									
	14-68	Sandy Clay Loam	CL-ML	A-4	0	0	90-100	85-100	60-100	34-80	23-36	6-13
		Loam	SC	A-6								
		Fine Sandy Loam	SC-SM									
		Clay Loam										
	68-79	Clay Loam	CL	A-2	0	0	80-100	70-100	42-100	21-80	20-43	4-14
		Sandy Clay Loam	SC	A-4								
		Sandy Loam		A-6								
		Loam										
Emporia												
Kempsville												
Savannah												
9B:												
Brockroad	0-9	Loam	CL	A-4	0	0	85-100	80-100	68-100	48-90	16-31	2-10
		Silt Loam	CL-ML									
			ML									
	9-43	Clay	CH	A-7	0	8-0	90-100	85-100	76-100	60-95	34-70	12-32
		Clay Loam	MH									
		Silty Clay Loam										
		Silty Clay										
	43-75	Silty Clay	CH	A-6	0	0-15	85-100	80-100	72-100	56-95	25-56	7-24
		Clay	CL	A-7								
		Clay Loam	MH									
		Silty Clay Loam	ML									
	75-79	Bedrock										



Map Symbol			Classi	fication	Fragr	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
	In		•	•	Pct	Pct	•	•			Pct	•
9B:												
Catharpin												
Nason												
Toddstav												
10:												
Cartecay	0-11	Sandy Loam Loam Silt Loam Fine Sandy Loam Loamy Sand	SM	A-2 A-4	0	0	95-100	93-100	46-100	14-90	12-24	NP-6
	11-38	Sandy Loam Sand Loamy Sand Loam Fine Sandy Loam	SC-SM SM SM	A-2 A-4	0	0	90-100	75-100	38-85	4-55	9-23	NP-6
	38-79	Gravelly Sandy Loam Sandy Loam Loam Very Gravelly Sand	SM SP-SM	A-1 A-2 A-3	0	0	50-100	35-100	18-85	2-55	9-21	NP-5
Abell												
Toccoa												
Wickham												
11B:												



Map Symbol			Class	ification	Frag	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
	ln		•	•	Pct	Pct	•	•			Pct	•
11B:												
Catharpin	0-9	Loam Silty Clay Loam Silt Loam	CL CL-ML SC-SM	A-4 A-6	0	0-5	90-99	80-98	68-98	48-95	23-34	6-12
	9-54	Silty Clay Clay Loam Silty Clay Loam	CH CL MH	A-7	0	0-5	90-99	80-98	72-98	56-95	34-74	12-34
	54-76	Clay Silty Clay Clay Gravelly Clay Clay Clay Loam	CH CL MH	A-7	0	0-10	60-99	50-98	45-98	35-95	34-70	12-32
	76-79	Fine Sandy Loam Gravelly Sandy Loam Gravelly Sand Silt Loam Sandy Loam Loam Gravelly Loam Gravelly Silt Loam Sand Loamy Sand Loamy Sand Coamy Sand Coamy Sand Gravelly Fine Sandy Loam	SC-SM	A-4	0	8-22	60-99	50-98	25-98	2-88	9-30	NP-10
Brockroad												
Margo												
Nason												
Toddstav												
12B:												

Map Symbol			Class	ification	Frag	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Disstinity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Plasticity Index
	In	•	•	•	Pct	Pct	•	•	•		Pct	•
12B:												
Cecil	0-13	Sandy Clay Loam Sandy Loam Loam Clay Loam Fine Sandy Loam	ML SC-SM SM	A-2 A-4	0	0	90-100	85-100	51-100	26-80	9-27	NP-4
	13-46	Clay Clay Loam	ML	A-4 A-6	0	0-5	90-100	85-100	76-100	60-95	31-56	5-15
	46-74	Loam Sandy Clay Loam Sandy Loam	ML	A-4	0	0-5	90-100	85-100	51-95	26-75	13-31	NP-5
Abell												
Colfax												
Louisburg												
13C2:												
Cecil (	0-13	Clay Loam Sandy Loam Sandy Clay Loam Fine Sandy Loam Loam	ML SC-SM SM	A-2 A-4	0	0	90-100	85-100	51-100	26-80	9-27	NP-4
	13-46	Clay Loam Clay	ML	A-4 A-6	0	0-5	90-100	85-100	76-100	60-95	31-56	5-15
	46-74	Loam Sandy Loam Sandy Clay Loam	ML	A-4	0	0-5	90-100	85-100	51-95	26-75	13-31	NP-5

Man Cumbal			Classi	fication	Frag	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Diocticity
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Liquid Limit	Plasticity Index
	In	•	•	•	Pct	Pct			•		Pct	•
13C2:												
Pacolet	0-7	Sandy Loam Sandy Clay Loam Fine Sandy Loam	SC-SM SM	A-4	0	0-1	85-100	80-100	48-90	24-55	14-31	NP-5
	7-27	Clay Loam Clay	MH ML	A-5 A-6 A-7	0	0-1	95-100	93-100	83-100	64-95	27-52	4-13
	27-64	Clay Loam Loam Sandy Loam Sandy Clay Loam	ML SC-SM SM	A-2-4 A-4	0	0-3	85-100	80-100	48-100	24-80	13-31	NP-5
Abell												
Colfax												
Fluvaquents												
Louisburg												
Partlow												
13D2:												
Cecil	0-13	Clay Loam Loam Sandy Clay Loam Fine Sandy Loam Sandy Loam	ML SC-SM SM	A-2 A-4	0	0	90-100	85-100	51-100	26-80	9-27	NP-4
	13-46	Clay Clay Loam	ML	A-4 A-6	0	0-5	90-100	85-100	76-100	60-95	31-56	5-15
	46-74	Loam Sandy Loam Sandy Clay Loam	ML	A-4	0	0-5	90-100	85-100	51-95	26-75	13-31	NP-5

Spotsylvania County, Virginia

Map Symbol			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Num	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
13D2:	In				Pct	Pct					Pct	
Pacolet	0-7	Sandy Clay Loam Sandy Loam Fine Sandy Loam	SC-SM SM	A-4	0	0-1	85-100	80-100	48-90	24-55	14-31	NP-5
	7-27	Clay Clay Loam	MH ML	A-5 A-6 A-7	0	0-1	95-100	93-100	83-100	64-95	27-52	4-13
	27-64	Clay Loam Sandy Clay Loam Loam Sandy Loam	ML SC-SM SM	A-2-4 A-4	0	0-3	85-100	80-100	48-100	24-80	13-31	NP-5
Abell												
Louisburg												
Partlow												

14B:

Spotsylvania County, Virginia

Maria Oranahad			Classi	fication	Frag	ments	Per	cent Passin	g Sieve Nun	nber	I i an ai ai	Disatisit
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Plasticity Index
	ln	•	<u> </u>		Pct	Pct	ı	<b>4</b> .			Pct	<u>.</u>
14B:												
Colfax	0-7	Fine Sandy Loam Loam	SC-SM SM	A-2 A-4	0	0	90-100	85-100	51-95	26-75	12-25	NP-7
	7-18	Sandy Loam Clay Loam Sandy Clay Loam Loam	CL SC	A-4 A-6	0	0	90-100	85-100	68-100	30-80	25-38	7-14
	18-25	Sandy Loam Sandy Clay Loam	CL SC	A-2-6 A-4 A-6	0	0	90-100	85-100	51-90	26-55	20-38	4-14
	25-43	Clay Loam Sandy Clay Loam Loam	CL SC	A-2 A-4 A-6	0	0-15	90-100	85-100	68-100	30-80	20-43	4-17
	43-67	Sandy Clay Loam Sandy Loam	SC-SM	A-2	0	0-15	90-100	85-100	51-90	26-55	16-30	2-10
Abell												
Appling												
Cecil												
Partlow												

14C:

Spotsylvania County, Virginia

Man Comphal			Classi	ification	Frag	ments	Per	cent Passin	g Sieve Nun	nber	المستناط	Diestisitu
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Plasticity Index
	In	•	<u></u>		Pct	Pct		<b>4</b> .			Pct	<u></u>
14C:												
Colfax	0-7	Fine Sandy Loam Loam Sandy Loam	SC-SM SM	A-2 A-4	0	0	90-100	85-100	51-95	26-75	12-25	NP-7
	7-18	Sandy Loam Clay Loam Loam	CL SC	A-4 A-6	0	0	90-100	85-100	68-100	30-80	25-38	7-14
	18-25	Sandy Clay Loam Sandy Clay Loam Sandy Loam	CL SC	A-2-6 A-4 A-6	0	0	90-100	85-100	51-90	26-55	20-38	4-14
	25-43	Clay Loam Loam Sandy Clay Loam	CL SC	A-2 A-4 A-6	0	0-15	90-100	85-100	68-100	30-80	20-43	4-17
	43-67	Sandy Clay Loam Sandy Loam	SC-SM	A-2	0	0-15	90-100	85-100	51-90	26-55	16-30	2-10
Abell												
Appling												
Cecil												
Partlow												

15B2:

Map Symbol			Class	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
	In	•	•		Pct	Pct					Pct	
15B2:												
Cullen	0-8	Fine Sandy Loam Silt Loam Loam	ML	A-4	0	0	90-100	85-100	60-100	34-90	16-25	NP-3
	8-38	Clay Loam	MH	A-5	0	0	90-100	85-100	76-100	60-95	27-56	4-14
		Clay Silty Clay	ML	A-7								
	38-67	Clay Loam Loam	ML	A-4	0	0	90-100	85-100	72-100	51-80	20-34	2-7
	67-79	Bedrock										
Fluvanna												
Louisburg												
Poindexter												
Tatum												
15C2:												
Cullen	0-8	Fine Sandy Loam Silt Loam Loam	ML	A-4	0	0	90-100	85-100	60-100	34-90	16-25	NP-3
	8-38	Clay Silty Clay Clay Loam	MH ML	A-5 A-7	0	0	90-100	85-100	76-100	60-95	27-56	4-14
	38-67	Clay Loam Loam	ML	A-4	0	0	90-100	85-100	72-100	51-80	20-34	2-7
	67-79	Bedrock										
Fluvanna												
Louisburg												



Spotsylvania County, Virginia

Man Combal			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	المنسنا	Disatisit
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Plasticity Index
	In				Pct	Pct					Pct	
15C2:												
Poindexter												
Tatum												
15D2:												
Cullen	0-8	Fine Sandy Loam Silt Loam Loam	ML	A-4	0	0	90-100	85-100	60-100	34-90	16-25	NP-3
	8-38	Clay Silty Clay Clay Loam	MH ML	A-5 A-7	0	0	90-100	85-100	76-100	60-95	27-56	4-14
	38-67	Loam Clay Loam	ML	A-4	0	0	90-100	85-100	72-100	51-80	20-34	2-7
	67-79	Bedrock										
Fluvanna												
Louisburg												
Poindexter												
Tatum												

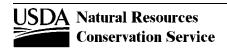
16:

Man Comphal			Classi	ification	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	امنسنا	Disatisit
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Plasticity Index
	In		•	•	Pct	Pct	•		•		Pct	
16:												
Dogue	0-10	Loam Silt Loam Fine Sandy Loam	ML SM	A-4	0	0	95-100	85-100	60-100	34-90	12-25	NP-7
	10-53	Clay Loam Sandy Clay Loam Clay	CH CL ML SC	A-6 A-7	0	0	95-100	85-100	68-100	30-95	34-52	12-22
	53-65	Sandy Clay Loam Gravelly Loamy Sand Gravelly Sand Gravelly Sandy Loam	SC SC-SM SM SP-SM	A-1 A-2 A-4	0	0	70-100	63-100	35-100	10-40	9-34	NP-12
Altavista												
Aquults												
Wickham												
17C:												
Dystrochrepts	0-9	Loamy Sand Sandy Loam	SC-SM SM	A-2	0	0	100	100	50-70	15-40	16-31	1-10
	9-20	Loamy Sand Sandy Loam	SC-SM	A-2	0	0	100	100	50-70	15-40	16-28	1-10
	20-62	Clay Loam Sand Sandy Loam	SC-SM SM	A-2 A-6	0	0	100	100	50-100	5-80	0-45	NP-25

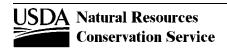
Man Complete			Class	ification	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Linuid	Diestisit
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Plasticity Index
	In				Pct	Pct	•	•	•		Pct	-
17C:												
Udults	0-11	Very Gravelly Sandy Loam	CL	A-2	0	0	45-100	35-100	20-100	10-95	20-56	4-32
		Sandy Loam	SC	A-4								
		Clay	SC-SM	A-6								
				A-7								
	11-57	Clay	CH	A-2	0	0	45-100	35-100	20-100	10-95	24-55	9-32
		Very Gravelly Sandy Loam	CL	A-4								
		Sandy Clay Loam	SC	A-6 A-7								
	57-62	Sandy Loam	CH	A-1	0	0	45-100	35-100	20-100	2-95	0-53	NP-32
		Very Gravelly Sand	CL	A-2								
		Clay	SC	A-4								
		•		A-6								
				A-7								
Fluvaquents												
Udifluvents												
17D:												
Dystrochrepts	0-9	Sandy Loam Loamy Sand	SC-SM SM	A-2	0	0	100	100	50-70	15-40	16-31	1-10
	9-20	Sandy Loam Loamy Sand	SC-SM	A-2	0	0	100	100	50-70	15-40	16-28	1-10
	20-62	Sand	SC-SM	A-2	0	0	100	100	50-100	5-80	0-45	NP-25
		Sandy Loam	SM	A-6								
		Clay Loam										

Main Comphal			Class	ification	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Linuxial	Disatisitu
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Plasticity Index
	In		•	•	Pct	Pct	•	•			Pct	
17D:												
Udults	0-11	Clay	CL	A-2	0	0	45-100	35-100	20-100	10-95	20-56	4-32
		Very Gravelly Sandy Loam	SC	A-4								
		Sandy Loam	SC-SM	A-6								
			011	A-7			.=	0= 400	00.400			
	11-57	Sandy Clay Loam	CH	A-2	0	0	45-100	35-100	20-100	10-95	24-55	9-32
		Very Gravelly Sandy Loam	CL	A-4								
		Clay	SC	A-6 A-7								
	57-62	Very Gravelly Sand	СН	A-7 A-1	0	0	45-100	35-100	20-100	2-95	0-53	NP-32
	31-02	Sandy Loam	CL	A-1 A-2	U	U	43-100	33-100	20-100	2-90	0-33	141 -32
		Clay	SC	A-4								
		ciay		A-6								
				A-7								
Fluvaquents												
Udifluvents												
17E:												
Dystrochrepts	0-9	Sandy Loam Loamy Sand	SC-SM SM	A-2	0	0	100	100	50-70	15-40	16-31	1-10
	9-20	Sandy Loam	SC-SM	A-2	0	0	100	100	50-70	15-40	16-28	1-10
	\$ <b>_</b> \$	Loamy Sand	00 0111	, , <u>-</u>	ŭ	ŭ				.0 .0		
	20-62	Sand	SC-SM	A-2	0	0	100	100	50-100	5-80	0-45	NP-25
		Sandy Loam	SM	A-6								
		Clay Loam										

Man Comphal			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Limited	Disatisit
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Plasticity Index
	In	•			Pct	Pct				L	Pct	
17E:												
Udults	0-11	Clay	CL	A-2	0	0	45-100	35-100	20-100	10-95	20-56	4-32
		Very Gravelly Sandy Loam	SC	A-4								
		Sandy Loam	SC-SM	A-6								
				A-7								
	11-57	Clay	CH	A-2	0	0	45-100	35-100	20-100	10-95	24-55	9-32
		Very Gravelly Sandy Loam	CL	A-4								
		Sandy Clay Loam	SC	A-6								
				A-7								
	57-62	Sandy Loam	CH	A-1	0	0	45-100	35-100	20-100	2-95	0-53	NP-32
		Very Gravelly Sand	CL	A-2								
		Clay	SC	A-4								
				A-6								
				A-7								
Fluvaquents												
Udifluvents												
18B:												
Emporia	0-9	Fine Sandy Loam	ML	A-2	0	0-5	90-100	80-100	48-95	24-75	13-23	NP-6
		Loam	SM	A-4								
		Sandy Loam										
	9-59	Loam	CL	A-2	0	0-3	90-100	80-100	48-95	24-75	23-38	6-14
		Sandy Loam	SC	A-4								
		Sandy Clay Loam		A-6								
	59-72	Sandy Clay	CL	A-2	0	0-3	60-100	50-100	30-100	15-80	23-43	6-17
		Sandy Clay Loam	SC	A-4								
		Clay Loam		A-6								
		Sandy Loam		A-7								
Faceville												



Map Symbol			Class	ification	Frag	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
	In		•	•	Pct	Pct	•	•		•	Pct	-
18B:												
Goldsboro												
Mattaponi												
18C:												
Emporia	0-9	Sandy Loam Loam	ML SM	A-2 A-4	0	0-5	90-100	80-100	48-95	24-75	13-23	NP-6
	9-59	Fine Sandy Loam Sandy Loam Sandy Clay Loam Loam	CL SC	A-2 A-4 A-6	0	0-3	90-100	80-100	48-95	24-75	23-38	6-14
	59-72	Sandy Clay Loam Sandy Loam Sandy Clay Clay Loam	CL SC	A-0 A-2 A-4 A-6 A-7	0	0-3	60-100	50-100	30-100	15-80	23-43	6-17
Faceville												
Goldsboro												
Mattaponi												
19B:												
Faceville	0-10	Sandy Loam Sandy Clay Loam Loam	ML SM	A-2 A-4	0	0	90-100	85-100	60-95	34-75	11-24	NP-3
	10-79	Loam Sandy Clay Loam Clay Loam Clay Sandy Clay	ML	A-4 A-6 A-7	0	0	90-100	85-100	64-100	28-95	24-49	3-12



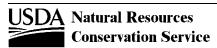
Spotsylvania County, Virginia

Map Symbol			Classi	fication	Fragr	ments	Per	cent Passin	g Sieve Num	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
400	In		•	•	Pct	Pct		•			Pct	•
19B: Emporia												
Епіропа												
Goldsboro												
Savannah												
20B:												
Faceville	0-10	Sandy Loam Sandy Clay Loam	ML SM	A-2 A-4	0	0	90-100	85-100	60-95	34-75	11-24	NP-3
	10-79	Loam Sandy Clay Sandy Clay Loam Clay Loam Clay Loam	ML	A-4 A-6 A-7	0	0	90-100	85-100	64-100	28-95	24-49	3-12
Marlboro	0-15	Fine Sandy Loam Sandy Loam	ML SC-SM SM	A-2 A-4	0	0	98-100	95-100	57-85	28-55	9-20	NP-2
	15-60	Sandy Clay Loam Clay Clay Loam Sandy Clay	ML	A-4 A-5 A-6 A-7	0	0	98-100	95-100	76-100	33-95	27-52	4-13
Emporia												
Goldsboro												
Savannah												

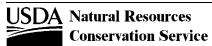
20C2:



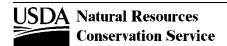
Man Cumbal			Classi	fication	Frag	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Disstinit
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Plasticity Index
	In		•		Pct	Pct					Pct	•
20C2:												
Faceville	0-10	Sandy Loam Loam	ML SM	A-2 A-4	0	0	90-100	85-100	60-95	34-75	11-24	NP-3
	10-79	Sandy Clay Loam Loam Sandy Clay	ML	A-4 A-6	0	0	90-100	85-100	64-100	28-95	24-49	3-12
Marlboro		Sandy Clay Loam Clay Loam Clay		A-7								
Marlboro	0-15	Sandy Loam Fine Sandy Loam	ML SC-SM SM	A-2 A-4	0	0	98-100	95-100	57-85	28-55	9-20	NP-2
	15-60	Clay Sandy Clay Loam Clay Loam Sandy Clay	ML	A-4 A-5 A-6 A-7	0	0	98-100	95-100	76-100	33-95	27-52	4-13
Emporia												
Mattaponi												
Savannah												
21B:												
1B: Faceville	0-10	Sandy Loam Sandy Clay Loam Loam	ML SM	A-2 A-4	0	0	90-100	85-100	60-95	34-75	11-24	NP-3
	10-79	Clay Sandy Clay Loam Sandy Clay Clay Loam Loam	ML	A-4 A-6 A-7	0	0	90-100	85-100	64-100	28-95	24-49	3-12



Map Symbol			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Index
	In		•	•	Pct	Pct	•	•		•	Pct	
21B:												
Varina	0-13	Fine Sandy Loam Sandy Loam Loam	SC-SM SM	A-2 A-4	0	0	95-100	93-100	55-95	27-75	11-19	NP-1
	13-79	Clay Loam Clay Gravelly Clay Loam	ML SM	A-4 A-6 A-7	0	0	65-100	55-100	50-100	38-95	27-49	4-12
Emporia												
Goldsboro												
Mattaponi												
Savannah												
21C2:												
Faceville	0-10	Sandy Loam Loam Sandy Clay Loam	ML SM	A-2 A-4	0	0	90-100	85-100	60-95	34-75	11-24	NP-3
	10-79	Loam Sandy Clay Loam Clay Clay Loam Sandy Clay Loam	ML	A-4 A-6 A-7	0	0	90-100	85-100	64-100	28-95	24-49	3-12
Varina	0-13	Fine Sandy Loam Loam Sandy Loam	SC-SM SM	A-2 A-4	0	0	95-100	93-100	55-95	27-75	11-19	NP-1
	13-79	Clay Gravelly Clay Loam Clay Loam	ML SM	A-4 A-6 A-7	0	0	65-100	55-100	50-100	38-95	27-49	4-12



Main Cumahal			Classi	fication	Frag	ments	Per	cent Passin	g Sieve Nun	nber	Limite	Disatists
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Plasticity Index
	In	•	<u>.</u>		Pct	Pct					Pct	I
21C2:												
Emporia												
Goldsboro												
Mattaponi												
Savannah												
22B:												
Fluvanna	0-10	Fine Sandy Loam Silt Loam Loam	CL ML SC SC-SM SM	A-2 A-4	0	0	90-100	85-100	60-100	34-90	12-31	NP-10
	10-49	Silty Clay Loam Silty Clay Clay	CH MH	A-7	0	0	90-100	85-100	76-100	64-95	38-66	14-30
	49-73	Loam Clay Loam Silty Clay Loam	CL	A-6 A-7	0	0-8	90-100	85-100	76-100	60-95	25-43	7-17
	73-79	Bedrock										
Nason												
Orange												
Poindexter												
Tatum												
22C2:												



Spotsylvania County, Virginia

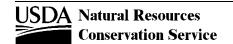
Man Comphal			Class	ification	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	المندينية	Diestisite
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Liquid Limit	Plasticity Index
	In	•			Pct	Pct			<u> </u>		Pct	<u>.</u>
22C2:												
Fluvanna	0-10	Fine Sandy Loam Loam Silt Loam	CL ML SC SC-SM SM	A-2 A-4	0	0	90-100	85-100	60-100	34-90	12-31	NP-10
	10-49	Silty Clay Loam Silty Clay Clay	CH MH	A-7	0	0	90-100	85-100	76-100	64-95	38-66	14-30
	49-73	Silty Clay Loam Clay Loam Loam	CL	A-6 A-7	0	0-8	90-100	85-100	76-100	60-95	25-43	7-17
	73-79	Bedrock										
Colfax												
Fluvaquents												
Nason												
Poindexter												
Tatum												

22D2:

Spotsylvania County, Virginia

Mara Ormahad			Class	ification	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	I described	Disabisit
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Plasticity Index
	In		•		Pct	Pct	1	<u> </u>			Pct	<u> </u>
22D2:												
Fluvanna	0-10	Loam Fine Sandy Loam Silt Loam	CL ML SC SC-SM SM	A-2 A-4	0	0	90-100	85-100	60-100	34-90	12-31	NP-10
	10-49	Clay Silty Clay Silty Clay Loam	CH MH	A-7	0	0	90-100	85-100	76-100	64-95	38-66	14-30
	49-73	Loam Silty Clay Loam Clay Loam	CL	A-6 A-7	0	0-8	90-100	85-100	76-100	60-95	25-43	7-17
	73-79	Bedrock										
Fluvaquents												
Louisburg												
Nason												
Poindexter												
Tatum												

23:



Spotsylvania County, Virginia

Maria Oranah al			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Num	nber	I tan atal	Disatisit
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Plasticity Index
	In	•	•	•	Pct	Pct	•	•			Pct	•
23:												
Fluvaquents	0-10	Very Gravelly Loamy Sand Clay Loam	CL CL-ML ML	A-2 A-4 A-6	0	0	45-100	35-100	20-100	2-80	0-54	NP-24
		Sandy Loam	SM	A-0								
	10-72	Clay	CL	A-1	0	0	45-100	35-100	20-100	2-95	0-58	NP-32
		Very Gravelly Sand	CL-ML	A-2-4								
		Sandy Clay Loam	SC SC-SM	A-4 A-6								
			SW-SM	A-6 A-7								
Udifluvents	0-10	Clay Loam	CL	A-2	0	0	45-100	35-100	20-100	2-80	0-54	NP-24
		Very Gravelly Loamy Sand	CL-ML	A-4								
		Sandy Loam	ML SM	A-6								
	10-72	Gravelly Sandy Loam	CL	A-1	0	0	45-100	35-100	20-100	2-95	0-58	NP-32
		Clay	CL-ML SC	A-2-4 A-4								
		Very Gravelly Sand	SC-SM	A-4 A-6								
			SW-SM	A-7								
Altavista												
Aquults												
Partlow												
Wickham												

24:



Mara Ormali al			Classi	fication	Frag	ments	Per	cent Passin	g Sieve Nun	nber	1 : ::-1	Dissisis
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Liquid Limit	Plasticity Index
	In	•			Pct	Pct					Pct	•
24:												
Goldsboro	0-12	Loamy Sand	SC-SM SM	A-2 A-4	0	0	90-100	85-100	42-85	13-55	12-20	NP-4
		Sandy Loam	SIVI	A-4								
	12-62	Fine Sandy Loam Sandy Clay Loam	CL	A-2	0	0	90-100	85-100	51-90	26-55	23-34	6-12
	12-02	Sandy Clay Loam Sandy Loam	CL-ML	A-2 A-4	U	U	90-100	65-100	51-90	20-33	23-34	0-12
		Sandy Loann	SC SC	A-4 A-6								
			SC-SM	A-0								
	62-77	Very Gravelly Clay Loam	CL	A-6	0	0	50-100	35-100	27-100	21-80	31-43	10-17
	02 / /	Gravelly Clay Loam	OL.	7.0	Ü	Ŭ	00 100	00 100	21 100	2100	01 10	10 17
		Clay Loam										
		,										
Aquults												
Emporia												
Savannah												
Suffolk												
25B:												
Kempsville	0-13	Gravelly Loam	GC-GM	A-1	0	0-3	45-80	35-70	21-66	10-52	12-20	NP-4
		Gravelly Sandy Loam	GM	A-2								
		Very Gravelly Sandy Loam	SC-SM	A-4								
			SM						0.4 = 0	40 =0		
	13-44	Gravelly Clay Loam	CL	A-2	0	0-3	45-80	35-70	21-70	10-56	23-38	6-14
		Gravelly Sandy Clay Loam	GC	A-6								
	44.00	Very Gravelly Sandy Loam	SC	۸.4	0	0.0	45.00	05.70	40.70	4.00	0.50	ND 00
	44-63	Gravelly Sandy Clay Loam Stratified Very Gravelly Sand	GC-GM GM	A-1 A-2	0	0-8	45-80	35-70	10-70	1-66	9-52	NP-22
		To Gravelly Clay	SC	A-2 A-4								
		. o clavelly olay	SC-SM	A-4 A-6								
			SM-SIM	A-0								
			SIVI									

Maria Orienale al			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Utanistat	Dissila
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Plasticity Index
	In			•	Pct	Pct					Pct	•
5B:												
Bama												
Emporia												
Faceville												
Suffolk												
5C:												
Kempsville	0-13	Gravelly Sandy Loam Very Gravelly Sandy Loam	GC-GM GM	A-1 A-2	0	0-3	45-80	35-70	21-66	10-52	12-20	NP-4
		Gravelly Loam	SC-SM SM	A-4								
	13-44	Gravelly Clay Loam Very Gravelly Sandy Loam	CL GC	A-2 A-6	0	0-3	45-80	35-70	21-70	10-56	23-38	6-14
	44-63	Gravelly Sandy Clay Loam Stratified Very Gravelly Sand	SC GC-GM	A-1	0	0-8	45-80	35-70	10-70	1-66	9-52	NP-22
		To Gravelly Clay	GM	A-2								
		Gravelly Sandy Clay Loam	SC	A-4								
			SC-SM SM	A-6								
Emporia												
Faceville												
Fluvaquents												
Varina												



Maria Oranah al			Class	fication	Frag	ments	Per	cent Passin	g Sieve Nur	mber	I dan dal	Disabisit
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Liquid Limit	Plasticity Index
	In	•	ı.	1.	Pct	Pct					Pct	
25D: Kempsville	0-13	Gravelly Loam Very Gravelly Sandy Loam Gravelly Sandy Loam	GC-GM GM SC-SM SM	A-1 A-2 A-4	0	0-3	45-80	35-70	21-66	10-52	12-20	NP-4
	13-44	Very Gravelly Sandy Loam Gravelly Sandy Clay Loam Gravelly Clay Loam	CL GC SC	A-2 A-6	0	0-3	45-80	35-70	21-70	10-56	23-38	6-14
	44-63	Stratified Gravelly Sandy Loam Stratified Very Gravelly Loamy Sand Stratified Very Gravelly Clay Stratified Very Gravelly Clay Stratified Gravelly Clay Stratified Gravelly Clay Stratified Very Gravelly Sandy Clay Loam Stratified Very Gravelly Loam Stratified Very Gravelly Sandy Loam Stratified Gravelly Sand Stratified Gravelly Loam Stratified Gravelly Loam Stratified Gravelly Clay Loam Stratified Gravelly Sandy Clay Loam Stratified Gravelly Sandy Clay Loam Stratified Gravelly Sandy Stratified Very Gravelly Sand Stratified Gravelly Loamy Sand	GC-GM GM SC SC-SM SM	A-1 A-2 A-4 A-6	0	0-8	45-80	35-70	10-70	1-66	9-52	NP-22
Dystrochrepts												
Fluvaquents												
Udults												



Spotsylvania County, Virginia

Map Symbol			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
	In		•		Pct	Pct		•	•		Pct	•
25D:												
26C:												
LaRoque	0-7	Silt Loam Loam	CL CL-ML ML	A-4	0	0-8	85-100	80-100	68-100	48-90	12-31	NP-10
	7-14	Silty Clay Loam Loam Clay Loam Silt Loam	CL CL-ML	A-4 A-6 A-7	0	0-8	90-100	85-100	72-100	51-95	23-43	6-17
	14-34	Sandy Loam Loam	CL CL-ML ML SC SM	A-4	0	0-8	95-100	93-100	55-95	27-75	12-31	NP-10
	34-60	Bedrock										
Brockroad												
Margo												
Nason												
Tatum												
Toddstav												

26D:

Spotsylvania County, Virginia

Man Cumbal			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Disstinity
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Plasticity Index
	In				Pct	Pct					Pct	
26D:												
LaRoque	0-7	Loam Silt Loam	CL CL-ML ML	A-4	0	0-8	85-100	80-100	68-100	48-90	12-31	NP-10
	7-14	Silt Loam Loam Silty Clay Loam Clay Loam	CL CL-ML	A-4 A-6 A-7	0	0-8	90-100	85-100	72-100	51-95	23-43	6-17
	14-34	Sandy Loam Loam	CL CL-ML ML SC SM	A-4	0	0-8	95-100	93-100	55-95	27-75	12-31	NP-10
	34-60	Bedrock										
Brockroad												
Fluvaquents												
Margo												
Nason												
Tatum												

26E:

Spotsylvania County, Virginia

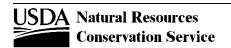
Man Combal			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	المنسنا	Diestisite
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Plasticity Index
	In				Pct	Pct					Pct	
26E:												
LaRoque	0-7	Loam Silt Loam	CL CL-ML ML	A-4	0	0-8	85-100	80-100	68-100	48-90	12-31	NP-10
	7-14	Clay Loam Silt Loam Loam Silty Clay Loam	CL CL-ML	A-4 A-6 A-7	0	0-8	90-100	85-100	72-100	51-95	23-43	6-17
	14-34	Sandy Loam Loam	CL CL-ML ML SC SM	A-4	0	0-8	95-100	93-100	55-95	27-75	12-31	NP-10
	34-60	Bedrock										
Fluvaquents												
Margo												
Nason												
Tatum												
Toddstav												

27C:

Mara Ormali al			Class	ification	Frag	ments	Per	cent Passin	g Sieve Nun	nber	I described	Disatists
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Liquid Limit	Plasticity Index
	ln		•	•	Pct	Pct			•	•	Pct	•
27C:									a=a	40.00	40.00	
Louisburg	0-11	Sandy Loam Loam Silt Loam	SC-SM SM	A-2	0	0-23	70-100	63-100	37-100	18-90	12-20	NP-4
	11-27	Very Gravelly Sandy Loam Silty Clay Loam Sandy Loam Loam	SC-SM SM	A-2 A-4	0	0-23	45-100	35-100	21-100	10-95	16-43	2-17
	27-36	Bedrock										
Appling												
Cecil												
Margo												
Pacolet												
Toddstav												
27D:												
Louisburg	0-11	Sandy Loam Loam Silt Loam	SC-SM SM	A-2	0	0-23	70-100	63-100	37-100	18-90	12-20	NP-4
	11-27	Very Gravelly Sandy Loam Silty Clay Loam Sandy Loam Loam	SC-SM SM	A-2 A-4	0	0-23	45-100	35-100	21-100	10-95	16-43	2-17
	27-36	Bedrock										
Appling												
Cecil												

Spotsylvania County, Virginia

Map Symbol			Class	ification	Fragi	ments	Per	cent Passin	g Sieve Num	nber	- Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
27D:	In	•	•		Pct	Pct					Pct	
Margo												
Pacolet												
Toddstav												
27E:												
Louisburg	0-11	Silt Loam Loam Sandy Loam	SC-SM SM	A-2	0	0-23	70-100	63-100	37-100	18-90	12-20	NP-4
	11-27	Sandy Loam  Very Gravelly Sandy Loam  Silty Clay Loam  Loam	SC-SM SM	A-2 A-4	0	0-23	45-100	35-100	21-100	10-95	16-43	2-17
	27-36	Bedrock										
Appling												
Cecil												
Margo												
Pacolet												
Toddstav												



Spotsylvania County, Virginia

Man Symbol			Classi	fication	Fragi	nents	Per	cent Passin	g Sieve Nun	nber	Liquid	Diocticity
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Plasticity Index
	In		•		Pct	Pct			•	•	Pct	
28B:												
Margo	0-9	Silt Loam Loam	CL CL-ML ML	A-4	0	0	95-100	93-100	78-100	55-90	12-31	NP-10
	9-42	Clay Loam Silty Clay Loam Silt Loam Loam	CL CL-ML	A-4 A-5 A-6 A-7	0	0	95-100	93-100	78-100	55-95	23-43	6-17
	42-45	Gravelly Silt Loam Gravelly Clay Loam Gravelly Silty Clay Loam Gravelly Loam	CL CL-ML SC SC-SM	A-2 A-4 A-6 A-7	0	0	60-85	50-75	42-75	30-71	12-43	NP-17
	45-60	Loam Sandy Loam	CL CL-ML SC SC-SM	A-2 A-4	0	0	95-100	93-100	55-95	27-75	12-31	NP-10
LaRoque												
Nason												
Tatum												
Toddstav												

Man Comphel			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nur	nber	المناسان ا	Dlootie!t
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Plasticity Index
	In		•		Pct	Pct	•	•		•	Pct	
29B:												
Masada	0-14	Fine Sandy Loam Sandy Loam Loam	CL CL-ML ML SC SM	A-4	0	0-8	90-100	85-100	51-95	26-75	16-31	2-10
	14-75	Sandy Clay Loam Clay Clay Loam Very Gravelly Sandy Loam	CH CL ML	A-6 A-7	0	0-15	45-100	28-100	16-95	8-80	23-56	6-24
Appling												
Cecil												
Nason												
Tatum												
Turbeville												
29C2:												
Masada	0-14	Sandy Loam Loam Fine Sandy Loam	CL CL-ML ML SC SM	A-4	0	0-8	90-100	85-100	51-95	26-75	16-31	2-10
	14-75	Clay Clay Loam Very Gravelly Sandy Loam Sandy Clay Loam	CH CL ML	A-6 A-7	0	0-15	45-100	28-100	16-95	8-80	23-56	6-24
Appling												



Map Symbol			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
	In		•	•	Pct	Pct	•		•		Pct	•
29C2:												
Cecil												
Nason												
Tatum												
Turbeville												
30B:												
Mattaponi	0-8	Loam Sandy Loam Silt Loam Sandy Clay Loam	SC SC-SM SM	A-2 A-4	0	0	90-100	85-100	51-100	26-90	12-30	NP-10
	8-44	Clay Loam Sandy Clay Loam Clay	CH CL MH SC	A-6 A-7	0	0	90-100	85-100	68-100	30-95	34-66	12-30
	44-68	Sandy Loam Very Gravelly Sand Loam Clay	GP	A-1	0	0	40-100	28-100			9-61	NP-27
Faceville												
Kempsville												
Savannah												
31C2:												



Man Cumbal			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Num	nber	Liquid	Plasticity
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Index
	In		•		Pct	Pct	•	•			Pct	<del>-</del>
31C2:												
Mattaponi	0-8	Sandy Clay Loam	SC	A-2	0	0	90-100	85-100	68-100	30-95	25-48	7-20
		Clay	SC-SM	A-4								
	8-44	Clay Loam	SM CH	A-6	0	0	00.400	05 400	00.400	20.05	24.00	12-30
	8-44	Sandy Clay Loam Clay	CH	A-6 A-7	0	0	90-100	85-100	68-100	30-95	34-66	12-30
		Clay Loam	MH	A-7								
		Clay Loani	SC									
	44-68	Clay	GP	A-1	0	0	40-100	28-100			9-61	NP-27
		Sandy Loam	<b>.</b>	,	·	·					00.	
		Very Gravelly Sand										
		Loam										
Faceville												
Kempsville												
Savannah												
32B:												
Nason	0-7	Loam	CL	A-4	0	0-8	90-100	85-100	72-100	51-90	16-31	2-10
Nason	0-7	Silt Loam	CL-ML	A-4	U	0-0	90-100	03-100	72-100	31-90	10-31	2-10
		Oilt Eddin	ML									
	7-35	Silty Clay Loam	CH	A-7	0	0-8	90-100	85-100	76-95	64-95	38-52	14-22
		Clay	CL									
		Silty Clay	ML									
	35-55	Silt Loam	CL	A-2	0	0-8	65-100	55-98	47-98	33-89	16-30	2-10
		Channery Loam	CL-ML	A-4								
		Very Channery Loam	GC-GM									
		Channery Silt Loam	SC									
	55-69	Bedrock										
Brockroad												

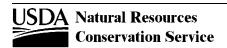


Spotsylvania County, Virginia

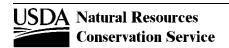
Man Cumhal			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Linuid	Disatisity
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Plasticity Index
32B:	In				Pct	Pct					Pct	
Catharpin												
LaRoque												
32C2:												
Nason	0-7	Silt Loam Loam	CL CL-ML ML	A-4	0	0-8	90-100	85-100	72-100	51-90	16-31	2-10
	7-35	Silty Clay Clay Silty Clay Loam	CH CL ML	A-7	0	0-8	90-100	85-100	76-95	64-95	38-52	14-22
	35-55	Silt Loam Channery Loam Channery Silt Loam Very Channery Loam	CL CL-ML GC-GM SC	A-2 A-4	0	0-8	65-100	55-98	47-98	33-89	16-30	2-10
	55-69	Bedrock										
Fluvaquents												
LaRoque												
Partlow												
Tatum												

32D2:

Map Symbol			Classi	fication	Fragi	ments	Per	cent Passino	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
	In	•	•	•	Pct	Pct	•				Pct	
32D2:												
Nason	0-7	Silt Loam Loam	CL CL-ML ML	A-4	0	0-8	90-100	85-100	72-100	51-90	16-31	2-10
	7-35	Silty Clay Clay Silty Clay Loam	CH CL ML	A-7	0	0-8	90-100	85-100	76-95	64-95	38-52	14-22
	35-55	Channery Loam Very Channery Loam Silt Loam Channery Silt Loam	CL CL-ML GC-GM SC	A-2 A-4	0	0-8	65-100	55-98	47-98	33-89	16-30	2-10
	55-69	Bedrock										
Fluvaquents												
LaRoque												
Tatum												
33B:												
Orange	0-6	Loam Fine Sandy Loam Silt Loam	CL SC-SM	A-4 A-6	0	0	90-100	85-100	60-100	34-90	26-43	9-23
	6-43	Clay Silty Clay Silty Clay Loam Clay Loam	СН	A-7	0	0	90-100	85-100	76-100	60-95	46-76	25-49
	43-65	Loam Gravelly Sandy Loam Sandy Clay Loam Silt Loam	CL GC SC	A-6 A-7	0	0-55	60-100	50-100	30-100	15-90	26-51	9-29



Map Symbol			Class	ification	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
	In	•	•	•	Pct	Pct	•	•	•		Pct	•
33B:												
Iredell	0-5	Sandy Loam Silt Loam Loam Clay Loam	CL	A-6 A-7	0	0-2	90-100	85-100	51-100	26-90	31-51	13-29
	5-30	Clay Loam Clay	СН	A-7	0	0	90-100	85-100	76-100	60-95	56-106	33-57
	30-62	Loam Clay Loam Sandy Clay Loam	CH CL SC	A-7	0	0-2	90-100	85-100	68-100	30-80	31-51	13-29
Cullen												
Fluvanna												
Poindexter												
33C2:												
Orange	0-6	Fine Sandy Loam Loam Silt Loam	CL SC-SM	A-4 A-6	0	0	90-100	85-100	60-100	34-90	26-43	9-23
	6-43	Clay Silty Clay Silty Clay Loam Clay Loam	СН	A-7	0	0	90-100	85-100	76-100	60-95	46-76	25-49
	43-65	Sandy Clay Loam Silt Loam Gravelly Sandy Loam Loam	CL GC SC	A-6 A-7	0	0-55	60-100	50-100	30-100	15-90	26-51	9-29



Man Cumbal			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Licuid	Diacticit
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Plasticity Index
	In	•	•	•	Pct	Pct	•				Pct	•
33C2:												
Iredell	0-5	Loam Sandy Loam Silt Loam Clay Loam	CL	A-6 A-7	0	0-2	90-100	85-100	51-100	26-90	31-51	13-29
	5-30	Clay Clay Loam	СН	A-7	0	0	90-100	85-100	76-100	60-95	56-106	33-57
	30-62	Sandy Clay Loam Loam Clay Loam	CH CL SC	A-7	0	0-2	90-100	85-100	68-100	30-80	31-51	13-29
Cullen												
Fluvanna												
Poindexter												
34B:												
Partlow	0-14	Loam Coarse Sandy Loam Sandy Loam	SC-SM SM	A-2 A-4	0	0	90-100	85-100	42-95	13-75	12-23	NP-6
	14-55	Sandy Clay Loam Sandy Loam Clay Loam	CL CL-ML SC SC-SM	A-2 A-4 A-6	0	0	90-100	85-100	51-100	26-80	23-38	6-14
	55-70	Loam Sandy Loam Sandy Clay Loam	CL ML SC SC-SM SM	A-2 A-4 A-6	0	0	90-100	85-100	51-95	26-75	12-38	NP-14
Abell												

Spotsylvania County, Virginia

Man Combal			Classi	fication	Fragr	ments	Per	cent Passin	g Sieve Nun	nber	Liannial	Disatisity
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Liquid Limit	Plasticity Index
	In		•	•	Pct	Pct				•	Pct	
34B:												
Colfax												
35C:												
Poindexter	0-6	Sandy Clay Loam Clay Loam Loam Silt Loam	CL-ML ML	A-4	0	0	90-99	80-95	64-95	28-86	16-38	2-14
	6-19	Loam Sandy Clay Loam Clay Loam	CL SC	A-6	0	0	90-100	80-95	64-95	28-86	25-38	7-14
	19-27	Sandy Loam Clay Loam Sandy Clay Loam Silty Clay Loam	CL-ML ML SC SC-SM SM	A-2 A-4	0	0	45-98	30-90	18-90	9-86	16-38	2-14
	27-45	Bedrock										
	45-79	Bedrock										
Cullen												
Fluvanna												
Iredell												
Orange												

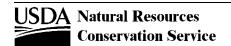
35D:



Spotsylvania County, Virginia

Man Cumhal			Class	fication	Fragi	ments	Per	cent Passin	g Sieve Nur	nber	امنسنا	Plasticity
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Index
35D:	In	•		_	Pct	Pct					Pct	
Poindexter	0-6	Clay Loam Silt Loam Loam	CL-ML ML	A-4	0	0	90-99	80-95	64-95	28-86	16-38	2-14
	6-19	Sandy Clay Loam Clay Loam Loam Sandy Clay Loam	CL SC	A-6	0	0	90-100	80-95	64-95	28-86	25-38	7-14
	19-27	Silty Clay Loam Sandy Loam Sandy Clay Loam Clay Loam	CL-ML ML SC SC-SM SM	A-2 A-4	0	0	45-98	30-90	18-90	9-86	16-38	2-14
	27-45	Bedrock										
	45-79	Bedrock										
Cullen												
Fluvanna												
Fluvaquents												
Louisburg												
Partlow												

35E:



Spotsylvania County, Virginia

Map Symbol			Classi	ification	Fragi	ments	Per	cent Passing	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
	ln		•		Pct	Pct					Pct	_
35E:												
Poindexter	0-6	Silt Loam Sandy Clay Loam Clay Loam Loam	CL-ML ML	A-4	0	0	90-99	80-95	64-95	28-86	16-38	2-14
	6-19	Sandy Clay Loam Clay Loam Loam	CL SC	A-6	0	0	90-100	80-95	64-95	28-86	25-38	7-14
	19-27	Sandy Loam Silty Clay Loam Sandy Clay Loam Clay Loam	CL-ML ML SC SC-SM SM	A-2 A-4	0	0	45-98	30-90	18-90	9-86	16-38	2-14
	27-45	Bedrock										
	45-79	Bedrock										
Fluvaquents												
Louisburg												

36A:

Spotsylvania County, Virginia

Map Symbol			Class	ification	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Liquid Limit	Index
	In	•	•	•	Pct	Pct	•	•	•		Pct	
36A:												
Savannah	0-11	Loam Silt Loam Fine Sandy Loam Sandy Loam	CL-ML ML SC-SM SM	A-2 A-4	0	0	85-100	80-100	48-100	24-90	12-25	NP-7
	11-22	Sandy Clay Loam Clay Loam Loam	CL SC	A-2 A-6	0	0	85-100	80-100	64-100	28-80	25-38	7-14
	22-39	Sandy Clay Loam Fine Sandy Loam Sandy Loam	CL SC SC-SM	A-2 A-4 A-6	0	0	85-100	80-100	48-90	24-55	20-38	4-14
	39-79	Clay Gravelly Sand Clay Loam Sandy Clay Loam	ML	A-4	0	0	60-100	50-100	25-100	2-95	9-61	NP
Faceville												
Goldsboro												
Partlow												

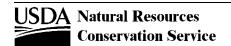
Spotsylvania County, Virginia

Map Symbol			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
	In			<u></u>	Pct	Pct					Pct	<u>.                                      </u>
36B:												
Savannah	0-11	Sandy Loam Fine Sandy Loam Silt Loam Loam	CL-ML ML SC-SM SM	A-2 A-4	0	0	85-100	80-100	48-100	24-90	12-25	NP-7
	11-22	Sandy Clay Loam Loam Clay Loam	CL SC	A-2 A-6	0	0	85-100	80-100	64-100	28-80	25-38	7-14
	22-39	Fine Sandy Loam Sandy Clay Loam Sandy Loam	CL SC SC-SM	A-2 A-4 A-6	0	0	85-100	80-100	48-90	24-55	20-38	4-14
	39-79	Clay Loam Sandy Clay Loam Gravelly Sand Clay	ML	A-4	0	0	60-100	50-100	25-100	2-95	9-61	NP
Faceville												
Goldsboro												
Partlow												

Man Combal			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	المنابا ا	Diochicit
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Plasticity Index
	In	•	•	•	Pct	Pct	•				Pct	•
37B:												
Spotsylvania	0-10	Loam Sandy Loam	ML SC-SM	A-2 A-4	0	0	85-100	80-100	48-95	24-75	9-25	NP-3
		Fine Sandy Loam	SM									
	10-19	Sandy Clay Loam	ML	A-2	0	0-8	85-100	80-100	64-100	28-80	20-34	2-7
		Loam Clay Loam	SM	A-4								
	19-54	Clay	ML	A-4	0	0-8	85-100	80-100	72-100	56-95	31-45	5-11
		Clay Loam		A-7								
	54-74	Sandy Loam	ML	A-2	0	0-8	85-100	80-100	48-90	24-55	13-31	NP-5
		Loam	SM	A-4								
		Sandy Clay Loam										
Appling												
Cecil												
Faceville												
Savannah												
37C:												
Spotsylvania	0-10	Sandy Loam	ML	A-2	0	0	85-100	80-100	48-95	24-75	9-25	NP-3
		Fine Sandy Loam	SC-SM	A-4								
		Loam	SM									
	10-19	Clay Loam	ML	A-2	0	0-8	85-100	80-100	64-100	28-80	20-34	2-7
		Sandy Clay Loam	SM	A-4								
		Loam										
	19-54	Clay Loam	ML	A-4	0	0-8	85-100	80-100	72-100	56-95	31-45	5-11
		Clay		A-7								
	54-74	Sandy Clay Loam	ML	A-4	0	8-0	85-100	80-100	48-90	24-55	13-31	NP-5
		Loam	SM									
		Sandy Loam										

Spotsylvania County, Virginia

Mara Ormali al			Classi	fication	Fragi	ments	Per	cent Passing	g Sieve Nun	nber	Limital	Di
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Liquid Limit	Plasticity Index
	In		•	•	Pct	Pct			•		Pct	
37C:												
Appling												
Cecil												
Faceville												
Savannah												
38B:												
Suffolk	0-10	Loamy Sand Fine Sandy Loam Sandy Loam	CL-ML ML SC-SM SM	A-2 A-4	0	0	95-100	93-100	46-85	14-55	12-23	NP-6
	10-43	Sandy Loam Fine Sandy Loam Clay Loam Sandy Clay Loam	CL SC	A-2 A-4 A-6	0	0	95-100	93-100	55-100	27-80	16-37	2-14
	43-60	Gravelly Sand Gravelly Loamy Sand Loamy Sand Sand	SC-SM SM SP	A-1 A-2 A-3	0	0	65-100	50-100	25-75	2-30	11-16	NP-2
Aquults												
Goldsboro												



Man Cumhal			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Limited	Disstinit
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Plasticity Index
	In	•			Pct	Pct					Pct	
39B:												
Tatum	0-8	Silt Loam Loam	ML	A-4	0	0	85-100	80-100	68-100	48-90	14-25	NP-3
	8-36	Clay Loam Loam Clay Silty Clay Silty Clay Loam	ML	A-5 A-7	0	0	85-100	80-100	68-100	48-95	27-49	4-12
	36-44	Loam Silt Loam	ML	A-4	0	0	85-100	80-100	68-100	48-90	13-24	NP-3
	44-77	Bedrock										
Abell												
Brockroad												
Catharpin												
39C2:												
Tatum	0-8	Loam Silt Loam	ML	A-4	0	0	85-100	80-100	68-100	48-90	14-25	NP-3
ratum	8-36	Loam Silty Clay Clay Silty Clay Loam Clay Loam	ML	A-5 A-7	0	0	85-100	80-100	68-100	48-95	27-49	4-12
	36-44	Silt Loam Loam	ML	A-4	0	0	85-100	80-100	68-100	48-90	13-24	NP-3
	44-77	Bedrock										
Abell												
Brockroad												

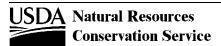


Spotsylvania County, Virginia

			Classi	ification	Fragi	ments	Per	cent Passin	g Sieve Nun	nber		D
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Plasticity Index
	In	•	•		Pct	Pct					Pct	<u>'</u>
39C2:												
Catharpin												
Toddstav												
39D2:												
Tatum	0-8	Loam Silt Loam	ML	A-4	0	0	85-100	80-100	68-100	48-90	14-25	NP-3
	8-36	Clay Silty Clay Silty Clay Loam Clay Loam Loam	ML	A-5 A-7	0	0	85-100	80-100	68-100	48-95	27-49	4-12
	36-44	Silt Loam Loam	ML	A-4	0	0	85-100	80-100	68-100	48-90	13-24	NP-3
	44-77	Bedrock										
Abell												
LaRoque												
Toddstav												

40:

Man Cumbal			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Diesticity
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Plasticity Index
40:	In		•	•	Pct	Pct	•	•	•		Pct	•
40: Tetotum variant	0-8	Silt Loam Loam	CL-ML ML SC-SM	A-4	0	0	95-100	93-100	78-100	55-90	16-29	2-9
	8-42	Sandy Loam Loam Silty Clay Loam	CL CL-ML SC	A-4 A-6	0	0	95-100	93-100	55-100	28-95	23-38	6-14
Wickham	42-79	Clay Loam Clay Loam Loam Sandy Loam Gravelly Sand	SC-SM CL CL-ML SC SC-SM	A-4	0	0	65-100	50-100	25-100	2-95	9-43	NP-17
Wickham												
Aquults												
41:												
Toccoa	0-9	Fine Sandy Loam Loam Loamy Sand	SM	A-2	0	0	98-100	95-100	48-95	14-75	9-18	NP-3
	9-61	Sandy Loam Loam Loamy Sand Sand	ML SM	A-2 A-4	0	0	95-100	90-100	45-95	4-75	9-24	NP-6
Abell												
Aquults												
Fluvaquents												
Wickham												



Mara Ormahad			Class	ification	Frag	ments	Per	cent Passin	g Sieve Nun	nber	Linuida	Disatists
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Liquid Limit	Plasticity Index
	In	•	•	•	Pct	Pct	•	•	•	1	Pct	•
41:												
42B:												
Toddstav	0-7	Silt Loam Loam	CL-ML ML	A-4	0	0	95-100	90-100	76-100	54-90	13-25	NP-7
	7-55	Loam Silty Clay Loam Fine Sandy Loam Clay Loam Silt Loam	CL CL-ML	A-4 A-6	0	0	95-100	90-100	63-100	36-95	23-38	6-14
LaRoque	55-70	Sandy Loam Silt Loam Loam	CL CL-ML ML SC SM	A-2 A-4	0	0	95-100	90-100	54-100	27-90	13-31	NP-10
LaRoque												
Margo												
Nason												
Tatum												
43B:												
Turbeville	0-12	Silt Loam Sandy Loam Loam	CL-ML	A-4	0	0-30	85-100	80-100	48-100	24-90	20-30	4-10
	12-65	Sandy Clay Clay Loam Clay	CL SC	A-6 A-7	0	0-30	85-100	80-100	68-100	36-95	34-61	12-27
Appling												

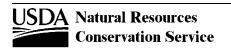
Man Cumbal			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
43B:	In				Pct	Pct					Pct	
Cecil												
Masada												
Nason												
Tatum												
43C2: Turbeville	0-12 12-65	Sandy Loam Silt Loam Loam Sandy Clay Clay Loam Clay	CL-ML CL SC	A-4 A-6 A-7	0	0-30 0-30	85-100 85-100	80-100 80-100	48-100 68-100	24-90 36-95	20-30 34-61	4-10 12-27
Appling		Olay										
Cecil												
Masada												
Nason												
Tatum												
44: Udorthents												
45B:												

Mara Cymahal			Class	ification	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Linuid	Disatisit
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Liquid Limit	Plasticity Index
	ln	•	-1		Pct	Pct	•	•	1		Pct	
45B:												
Udorthents												
Udifluvents	0-10	Very Gravelly Loamy Sand Sandy Loam Clay Loam	CL CL-ML ML SM	A-2 A-4 A-6	0	0	45-100	35-100	20-100	2-80	0-54	NP-24
Goldsboro	10-72	Clay Very Gravelly Sand Gravelly Sandy Loam	CL CL-ML SC SC-SM SW-SM	A-1 A-2-4 A-4 A-6 A-7	0	0	45-100	35-100	20-100	2-95	0-58	NP-32
Goldsboro												
Aquults												
46:												
Urban land												
Udults	0-11	Clay Very Gravelly Sandy Loam Sandy Loam	CL SC SC-SM	A-2 A-4 A-6 A-7	0	0	45-100	35-100	20-100	10-95	20-56	4-32
	11-57 Clay Very Gra	Clay Very Gravelly Sandy Loam Sandy Clay Loam	CH CL SC	A-2 A-4 A-6 A-7	0	0	45-100	35-100	20-100	10-95	24-55	9-32
	57-62	Clay Very Gravelly Sand Sandy Loam	CH CL SC	A-7 A-1 A-2 A-4 A-6 A-7	0	0	45-100	35-100	20-100	2-95	0-53	NP-32



Spotsylvania County, Virginia

Mara Oranakal			Classi	ification	Fragi	ments	Per	cent Passin	g Sieve Nur	nber	L San Sal	Di
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Plasticity Index
<b>1</b> 6:	ln				Pct	Pct					Pct	
17E:												
Watt	0-7	Loam Channery Silt Loam Channery Loam Silt Loam	CL-ML ML SC-SM SM	A-4	0	15-30	60-95	50-93	42-92	30-82	16-31	2-10
	7-16	Silt Loam Channery Silt Loam Channery Silty Clay Loam Silty Clay Loam	CL CL-ML GC SC SC-SM	A-4 A-6	0	15-30	60-95	50-93	45-92	35-82	23-43	6-17
	16-32	Channery Loam Channery Silt Loam Very Channery Silt Loam Very Channery Loam	GC GC-GM GM SC-SM	A-2 A-4	0	23-55	50-85	35-75	30-75	21-68	12-31	NP-10
	32-36	Bedrock										
Brockroad												
Catharpin												
LaRoque												
Nason												
Tatum												



48A:

Map Symbol			Classi	fication	Frag	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
	In				Pct	Pct					Pct	
48A:												
Wickham	0-10	Fine Sandy Loam	CL-ML	A-4	0	0	90-100	85-100	42-95	13-75	11-20	NP-4
		Sandy Loam	ML									
		Loamy Sand	SC-SM									
		Loam	SM					0= 400				
	10-46	Sandy Clay Loam	CL	A-2	0	0	90-100	85-100	51-100	26-80	23-38	6-14
		Sandy Loam	CL-ML	A-4								
		Clay Loam	SC	A-6								
	40.07	Loam	01		•	•	50.400	05.400	40.05	0.75	0.04	NID 40
	46-67	Sandy Loam	CL	A-4	0	0	50-100	35-100	18-95	2-75	9-34	NP-12
		Loam	CL-ML									
		Very Gravelly Sand	SC SM									
		Sandy Clay Loam	SIVI									
Altavista												
Aquults												
48B:												
Wickham	0-10	Fine Sandy Loam	CL-ML	A-4	0	0	90-100	85-100	42-95	13-75	11-20	NP-4
		Loam	ML									
		Loamy Sand	SC-SM									
		Sandy Loam	SM									
	10-46	Clay Loam	CL	A-2	0	0	90-100	85-100	51-100	26-80	23-38	6-14
		Loam	CL-ML	A-4								
		Sandy Clay Loam	SC	A-6								
		Sandy Loam										
	46-67	Very Gravelly Sand	CL	A-4	0	0	50-100	35-100	18-95	2-75	9-34	NP-12
		Sandy Clay Loam	CL-ML									
		Loam	SC									
		Sandy Loam	SM									
Altavista												



Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid	Planticity
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Plasticity Index
	In				Pct	Pct		L			Pct	<u>.                                    </u>
48B:												
Aquults												
W: Water												